

conjugated equine estrogens ("CEE") with medroxyprogesterone acetate ("MPA"), and specifically pointed to claims 21-34, which claim methods using combinations of estrogens and progestins over broad dosage ranges. Plunkett provides lists of possible estrogens and progestins. Tables 1A and 1B disclose twenty estrogens and seventeen progestins respectively and recite the maximum, minimum and preferred dosage levels for each. Plunkett lists CEE/MPA as one of twenty possible estrogen/progestin combinations. (Col. 6 line 46 - Col. 7 line 14).

Applicant's claims are drawn specifically to a method of treating or inhibiting vasomotor symptoms comprising continuously and uninterruptedly providing a daily dosage of about 1.5 mg MPA in combination with a dosage of between about 0.3 and about 0.45 mg CEE, USP. As the Examiner noted, "Plunkett et al. does not particularly teach the dosages of conjugated equine estrogen/medroxyprogesterone claimed herein." (Office Action, p. 3). There is nothing in Plunkett to teach or suggest the selection of 1.5 mg MPA for the treatment of vasomotor symptoms in combination with about 0.3 to about 0.45 mg CEE.

The Examiner states that Applicant has not provided any data demonstrating unexpected results in comparison with Plunkett. As discussed below, the Examiner has not even met the initial burden of presenting a prima facie case of obviousness as required by the case law. Moreover, Applicant respectfully disagrees that Applicant has not provided data demonstrating unexpected results. Plunkett describes 0.600 mg as the preferred dosage of CEE (Table 1A) and 2.5 mg as the preferred dosage of MPA (Table 1B). This preferred combination of CEE and MPA represents the closest teaching within Plunkett to the Applicant's claimed invention. This preferred combination essentially has become the

standard, commercially available dosage -- 0.625 mg CEE in combination with 2.5 mg MPA ("PREMPRO"). Thus, Applicant properly has provided data in the application from a clinical study showing unexpected results of the claimed invention of lower dosages of CEE and MPA in comparison with the preferred dosages of CEE and MPA disclosed in Plunkett. Applicant submits herewith a Declaration under 37 C.F.R. § 1.132 of Rogerio A. Lobo, M.D. to further support its showing of unexpected results.

It was understood by those skilled in the art for the past 20 years that 0.625 mg CEE was the minimum required to relieve vasomotor symptoms ("hot flushes") (Lobo Declaration ¶ 8). The dosage of 2.5 mg was understood as the minimum amount needed to oppose 0.625 mg CEE and protect the endometrium. A double blinded clinical study, the Women's Health, Osteoporosis, Progestin, Estrogen study ("H.O.P.E. study"), was conducted to evaluate the safety and efficacy of lower dosages of CEE and MPA with the standard dosages. The H.O.P.E. study unexpectedly demonstrated that providing a much lower daily dosage of 1.5 mg MPA in combination with 0.45 or 0.30 mg CEE reduced the number and severity of hot flushes to essentially the same extent as the standard, commercially available dose combination of 0.625 mg CEE and 2.5 mg MPA. (Lobo Declaration ¶ 14). It was expected by those skilled in the art that there may be a dose response, such that the lower combination doses of CEE and MPA would exhibit some effect in reducing the number and severity of hot flushes, but far less of an effect than the standard dose of 0.625 mg CEE plus 2.5 mg MPA. (Lobo Declaration ¶ 12). The results of the H.O.P.E. study confounded those expectations.

Additionally, the H.O.P.E. study demonstrated that at these particular low dosage combinations, MPA has an additive effect on the relief of vasomotor symptoms. (Lobo Declaration ¶ 15). Previous studies showed that MPA had no additive effect on vasomotor relief when the common dose of 0.625 mg CEE was used. (See Greendale et al., Obstet. Gynecol., 92:982-988 (1998)). The H.O.P.E. study surprisingly demonstrated that at these low doses MPA may contribute to ameliorating vasomotor symptoms. (Lobo Declaration ¶ 15). Plunkett does not teach that an additive vasomotor effect is exhibited by the low dose of 1.5 mg MPA to the lower doses of about 0.30 to 0.45 mg CEE.

The H.O.P.E. study also demonstrated that providing a daily dosage of 1.5 mg MPA effectively inhibited the development of endometrial hyperplasia when opposing the lower doses, 0.30 to 0.45 mg CEE. (Lobo Declaration ¶ 16). The effect of the endometrium was not significantly different with these lower dosages than the standard combination containing 2.5 mg MPA. Prior to the H.O.P.E. study, the dosage of MPA necessary to provide endometrial protection with lower dosages of CEE was unknown. (Lobo Declaration ¶ 16).

Applicant also maintains that the Examiner has not even met the initial burden of presenting a prima facie case of obviousness. In re Rijckaert, 9 F.3d 1531, 1532, 28 U.S.P.Q.2d 1955, 1956 (Fed. Cir. 1993). To establish prima facie obviousness, the prior art reference(s) must teach or suggest all of the claim limitations. In re Royka, 490 F.2d 981, 180 U.S.P.Q. 580 (C.C.P.A. 1974). Because Plunkett does not teach, or suggest, using 1.5 mg MPA in combination with about 0.3 to about 0.45 mg CEE for relief of vasomotor symptoms of menopause, it is respectfully submitted that Plunkett does not render claim 7

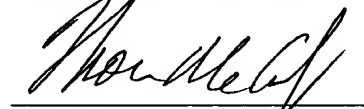
obvious. Plunkett discloses thousands of possible estrogen/progestin combinations. The preferred dosages of MPA and CEE that Plunkett discloses are much higher than the dosages claimed in the present invention. It would not have been obvious at the time of the invention to select the lower dosage combinations claimed herein. Applicant respectfully submits that the Office Action employs a reconstruction based upon improper hindsight reasoning. In re Fine, 837 F.2d 1071, 1075 (Fed. Cir. 1988). At best, it would have been obvious to try the Applicant's claimed combination, but it has long been held that "obvious to try" is not the appropriate standard. Therefore, the Office Action does not reflect the proper evidence to support an obviousness rejection based on the reference relied upon. In any event, as discussed above, in order to facilitate prosecution, the accompanying Lobo Declaration, submitted under 37 C.F.R. § 1.132, is believed to demonstrate convincingly the unexpected results obtained with Applicants' invention.

Claims 11, 12 and 69 depend from claim 7, and it is respectfully submitted that Plunkett does not render obvious these dependent claims for at least the same reasons given above in support of the patentability of claim 7.

It is respectfully submitted that all pending claims are allowable. All issues raised by the Examiner having been addressed, reconsideration and allowance of the claims are respectfully requested. If for any reason the Examiner believes that contact with Applicant's attorney would advance prosecution, he is invited to contact the undersigned at the telephone number given below.

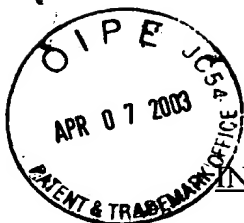
Dated: *April 1, 2005*

Respectfully submitted,



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H/4
mp
6/18/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S) : PICKAR, J., DEY M.
SERIAL NO. : 09/808,878
FILED : March 15, 2001
TITLE : HORMONE REPLACEMENT THERAPY
ART UNIT : 1617
EXAMINER : M. Bahar

Assistant Commissioner
for Patents
Washington, D.C. 20231

DECLARATION UNDER 37 C.F.R. § 1.132

SIR:

I, ROGERIO A. LOBO, M.D., declare as follows:

1. I am currently a Professor of Obstetrics & Gynecology at the Department of Obstetrics and Gynecology, Columbia University in New York, New York, and I served as Rappleye Professor and Chairman of the Department of Obstetrics and Gynecology from 1995 until July 2002. I received a medical degree from Georgetown University Medical School in 1974. I completed an internship from 1974 to 1975 and a residency from 1975 to 1978 at the University of Chicago, Department of Obstetrics & Gynecology. I was a Clinical Research Fellow at the University of Southern California Medical Center in Los Angeles, California from 1978 to 1980.

2. From 1978 until 1995, I held a number of academic medical positions at the University of Southern California, Los Angeles, California. From 1978 to 1980, I was a Clinical Instructor, Division of Reproductive Endocrinology and Infertility, Department of

Obstetrics and Gynecology. I was an Assistant Professor, Department of Obstetrics & Gynecology from 1980 to 1984, an Associate Professor from 1984 to 1988, and a Professor from 1988 to 1995. From 1984 to 1995, I was Chief and Director of the Division of Reproductive Endocrinology and Infertility.

3. In the past twenty-three years, I have been an author or co-author of at least 313 papers published in peer-reviewed journals, 99 book chapters and 314 abstracts, and have been an editor of 25 books. Many of these publications are in the area of the menopause and treatments of the symptoms of menopause including hormone replacement therapy. (See, e.g., Rogerio A. Lobo, ed., Treatment of the Postmenopausal Woman: Basic and Clinical Aspects (2d ed., Philadelphia, PA: Lippincott Williams & Wilkins 1999)).

4. I am a member of a number of professional societies, including the International Menopause Society and the North American Menopause Society. I have served as a consultant to and have served on the editorial board of numerous medical journal specializing in obstetrics and gynecology, including *Obstetrics and Gynecology*, *The Journal of Reproductive Medicine* and *Fertility and Sterility*. Additional acts about my background and qualifications including a list of my publications are set forth in my curriculum vitae, attached as Exhibit A.

5. My private practice consists of gynecology with a focus on the treatment of premenopausal, menopausal and postmenopausal women. I have also participated in a number of clinical studies evaluating various treatments, including hormone replacement therapy, for the symptoms of menopause including hot flushes and decreased bone density.

6. By way of background, menopause generally refers to the cessation of the menses and ovarian function. In other words, the ovaries no longer produce estrogen. Approximately one-third of a woman's life is spent in the estrogen-deficient postmenopausal

state. Symptoms of estrogen deficiency include hot flushes, vaginal atrophy, depression, decrease in bone mass and changes in blood lipid levels, which may be precursors to cardiovascular diseases. Conjugated equine estrogens ("CEE") have been prescribed for over 50 years to treat these symptoms. However, for a woman with an intact uterus, estrogen therapy has been shown to increase the risk of endometrial hyperplasia (abnormalities in the cells that are a precursor to endometrial carcinoma) and endometrial carcinoma (endometrial cancer). The risk is substantially reduced when a progestin is administered concurrently.

7. The Postmenopausal Estrogen/Progestin Interventions (PEPI) trial demonstrated that estrogen-progestin combinations protect against endometrial hyperplasia. (See The Writing Group for the PEPI Trial, "Effects of hormone replacement therapy on endometrial histology in postmenopausal women. The Postmenopausal Estrogen/Progestin Interventions (PEPI) Trial," JAMA 275(5):370-5 (1996)). The PEPI trial involved 596 healthy postmenopausal women aged 45 to 74 years at seven clinical centers in the U.S. from 1987 to 1993. The women were randomly assigned to one of five treatment groups: (1) a placebo; (2) 0.625 mg CEE daily; (3) 0.625 mg CEE daily plus 10 mg of a progestin, medroxyprogesterone acetate ("MPA") for 12 days per month; (4) 0.625 mg CEE daily plus 2.5 mg MPA daily¹; or (5) 0.625 mg of estrogen daily plus 200 mg of a natural (micronized) progesterone for 12 days per month. A large proportion of women with a uterus who received unopposed 0.625 mg CEE developed endometrial hyperplasia. However, the addition of a progestin, 2.5 mg MPA, to the 0.625 mg CEE provided protection of the endometrium.

8. For the past 20 years, 0.625 mg CEE has been accepted as the standard dosage of estrogen necessary to relieve the symptoms of menopause, including hot flushes

¹ This is the regimen used in PREMPRO, Wyeth's commercially-marketed combination low dose hormone replace therapy.

and bone loss. (See, e.g., Lindsay et al., Obstetrics and Gynecology, 63:759-763 (1984)).

The dosage of 2.5 mg of MPA has been recognized as the minimum amount needed to oppose 0.625 mg CEE and protect the endometrium. This combination of 0.625 mg CEE plus 2.5 mg MPA daily has been the most commonly prescribed hormone replacement therapy regimen in the United States. (See Archer et al., Fertility and Sterility, 75:1080-1087 (2001)).

9. A double blind clinical study of postmenopausal women was conducted using combinations of conjugated equine estrogens ("CEE") and the progestin, medroxyprogesterone acetate ("MPA"). Patients received continuous and uninterrupted treatment for 13 or 26 cycles. This study is referred to as the Women's Health, Osteoporosis, Progestin, Estrogen study ("H.O.P.E. study"). The study was conducted at 57 centers across the United States and included 2,673 healthy postmenopausal women aged 40 to 65. I worked with other scientists and doctors to develop the clinical protocol for the H.O.P.E. study and was involved as a trial investigator.

10. The objectives of the H.O.P.E. study were to evaluate the safety and efficacy of lower doses of Premarin and MPA in reducing the incidence of endometrial hyperplasia, relieving menopausal symptoms and maintaining an acceptable metabolic profile. Another sub-part of the study focused on bone mineral density and was conducted over a 26 cycle period.

11. The doses used in the H.O.P.E. study consisted of eight regimens administered daily: (1) 0.625 mg CEE; (2) 0.45 mg CEE; (3) 0.3 mg CEE; (4) 0.625 mg CEE plus 2.5 mg MPA ("PREMPRO"); (5) 0.45 mg CEE plus 2.5 mg MPA; (6) 0.45 mg CEE plus 1.5 mg MPA; (7) 0.3 mg CEE plus 1.5 mg MPA; and (8) a placebo.

12. It was conventional wisdom that the dose of 0.625 mg CEE was the minimum effective dose to relieve vasomotor symptoms ("hot flashes"). I and others

expected that the study would show that there would be a dose response such that the lower combination doses of CEE and MPA would have some effect in reducing the number and severity of hot flushes compared with the placebo, but far less of an effect than the standard dose of CEE 0.625 plus 2.5 mg MPA. In fact, I and others were interested in seeing the results of the various lower doses, but doubted the study was worth the economic effort.

13. Relief of vasomotor symptoms was analyzed in patients who experienced at least an average of 7 to 8 moderate-to-severe hot flushes per day during the 7-day period just prior to the initiation of treatment in this study.

14. It was very surprising and unexpected that the data from the H.O.P.E. study demonstrated that all doses of CEE and MPA reduced the number and severity of hot flushes experienced by the women in this study compared with women taking placebo. It was unexpected that providing a daily dosage of 1.5 mg MPA in combination with the lower doses, 0.45 or 0.30 mg, CEE, rapidly reduced the number and severity of hot flushes to the same extent as the much higher and commercially available dose combination containing 0.625 mg CEE and 2.5 mg MPA.

15. Moreover, at these particular low doses of 1.5 mg MPA, an additive effect of vasomotor symptom relief is seen. The H.O.P.E. study demonstrated that dosages of CEE and MPA may be better than equivalent dosages of unopposed CEE for vasomotor symptom relief. Previous studies with various dosages of CEE showed no additive effect of MPA on vasomotor relief. (See Greendale et al., Obstetrics and Gynecology, 92:982-988 (1998)). Instead, the presence of MPA was thought to be merely prophylactic (to prevent endometrial cancer). The H.O.P.E. study surprisingly demonstrated that at these low doses MPA may contribute to ameliorating the vasomotor symptoms.

16. Prior to the H.O.P.E. study, the dosage of MPA necessary to provide endometrial protection with lower dosages of CEE was unknown. We entered uncharted waters in conducting the H.O.P.E. study as to the endometrial risk posed by the lower daily dosage combinations of 0.45 or 0.3 mg CEE and 1.5 mg MPA. The endometrial biopsies² evaluated as part of the H.O.P.E. study demonstrated that providing a daily dosage of 1.5 mg MPA effectively inhibited the development of endometrial hyperplasia when opposing the lower doses, 0.45 or 0.30 mg, CEE. These biopsy results were not statistically different from the higher dose hormone replacement therapy combination containing 2.5 mg MPA.

17. The prior art Plunkett patent cited by the examiner is directed to combinations of various estrogens and progestins. Plunkett lists a myriad of such combinations over a variety of dosage ranges, in both cyclic and continuous regimes. There is nothing in the Plunkett patent that teaches one skilled in the art to select the combination of 1.5 mg MPA and about 0.3 to about 0.45 mg CEE for relief of vasomotor symptoms of menopause from the thousands of possible estrogen-progestin combinations.

18. The preferred dosages of MPA and CEE that Plunkett discloses are 2.5 mg MPA and 0.600 mg CEE. These dosages are much higher than the dosages claimed in the present invention -- 1.5 mg MPA and about 0.3 to about 0.45 mg CEE.

19. Plunkett does not teach the importance of balancing the dosages of MPA and CEE, particularly at very low doses. Specifically, Plunkett does not teach that the selection of 1.5 mg MPA would provide relief of vasomotor symptoms achieved in combination with about 0.3 to about 0.45 mg CEE

20. Further, Plunkett does not teach that an additive vasomotor effect is exhibited by the low dose of MPA to the lower doses of CEE (0.3 to about 0.45 mg CEE).

² An endometrial biopsy is a cell sample of the endometrium taken to evaluate whether any abnormal cells exist.

21. In conclusion, the results of the H.O.P.E. study unexpectedly demonstrated that the combinations of a daily dosage of 1.5 mg MPA with 0.3 or 0.45 mg CEE are effective in treating vasomotor symptoms. In my opinion, these dosage combinations would not have been obvious at the time of the invention to relieve vasomotor symptoms.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the patent or any reexamination certificate issued therefor.

Dated: 4/11/03



ROGERIO A. LOBO, M.D.

Updated: 3/24/03

Curriculum Vitae

ROGERIO A. LOBO, M.D.

Date of birth: October 26, 1949

Place of birth: Hong Kong

Citizenship: Naturalized United States Citizen

Marital Status: Married (Jessie C. Lobo)

Children: Margaret J. Lobo
Roger R. Lobo

Social Security No.: 579-72-6816

Home Address and Telephone No.: 31 Kent Road
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Business Address and Telephone No. Columbia-Presbyterian Medical Center
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622 West 168th Street
New York, NY 10032
(212) 305-2377

Licensure and Certifications: State of California Medical License
No. G-36128

The University of the State of New York Medical License
No. 198859

DEA No. AL822046

Diplomate, National Board of Medical Examiners, 1975

Diplomate, The American Board of
Obstetrics and Gynecology, Inc. 1981

Diplomate, The American Board
of Obstetrics and Gynecology, Inc.
Division of Reproductive Endocrinology, 1982

Recertified Diplomate, The American
Board of Obstetrics and Gynecology Inc. 1994

Education:

1967-1995

Georgetown University
Washington, D.C.

B.Sc. (Cum Laude)
Major: Biology

1970- 1974

Georgetown University Medical School
Washington, D.C.
M.D.

Postgraduate Training:

1974- 1975

Intern
Department of Obstetrics & Gynecology
The Chicago Lying-In-Hospital
The University of Chicago
Chicago, Illinois

1975- 1978

Resident
Department of Obstetrics and Gynecology
The Chicago Lying-In-Hospital
The University of Chicago
Chicago, Illinois

1978-1980

Infertility

Clinical Research Fellow
Division of Reproductive Endocrinology and
Department of Obstetrics and Gynecology
Los Angeles County/University of Southern
California Medical Center
Los Angeles, California

Academic Positions:

1978-1980

Clinical Instructor
Division of Reproductive Endocrinology and Infertility
Department of Obstetrics and Gynecology
University of Southern California
Los Angeles, California

1980-1984

Assistant Professor
Department of Obstetrics and Gynecology
University of Southern California
Los Angeles, California

1984-1988

Associate Professor
Department of Obstetrics & Gynecology
University of Southern California
Los Angeles, California

1988- 1985

Professor
Department of Obstetrics & Gynecology
University of Southern California
Los Angeles, California

1984- 1995

Chief, Division of Reproductive
Endocrinology and Infertility
Department of Obstetrics and Gynecology
Los Angeles County/University of Southern
California Medical Center
Los Angeles, California

1984-1995

Director, Reproductive Endocrinology and Infertility
Training Program Fellows and students directed in training
are underlined under list of publications

1995-2002

Rappleye Professor and Chairman
Department of Obstetrics and Gynecology
Columbia University
College of Physicians and Surgeons
New York, New York

7/1/02-present

Professor of Obstetrics & Gynecology
Department of Obstetrics and Gynecology
Columbia University
College of Physicians and Surgeons
New York, New York

Other Hospital Affiliations:

1980- 1995

Consultant
City of Hope National Medical Center
Duarte, California

1984-1995

California Medical Center
Los Angeles, California

1986-1991

Director
University of Southern California/
California Hospital Reproductive Health Institute
Los Angeles, California

1991- 1995

USC University Hospital
Los Angeles, California

Outside Consultantships:

Abbott Diagnostics
North Chicago, Illinois

Medical Advisory Board
Mead Johnson Laboratories
Princeton, New Jersey

Progynon Associates
Rosemont, Illinois

Division of Endocrinology and Metabolism
Robert Wood Johnson Pharmaceutical Research Institute
New Brunswick, New Jersey

Advisory Board on Hormone Replacement Therapy
Schering Laboratories
Kenilworth, New Jersey

Reproductive Endocrinology Luminary Program
Serono Laboratories
Norwell, Massachusetts

Advisory Board
TAP Pharmaceuticals, Inc.
Deerfield, Illinois

Wyeth-Ayerst Research
Philadelphia, Pennsylvania

Board of Trustees
The Berlex Foundation
Dumont, New Jersey

Advisory Boards:
Solvay
Ortho
Lilly
Merck

Membership in Professional Societies:

International Menopause Society
Pacific Coast Fertility Society
Society for Gynecologic Investigation
The American College of Obstetricians and Gynecologists
American Society for Reproductive Medicine
The American Gynecological and Obstetrical Society
The Endocrine Society
The North American Menopause Society

Membership in Committees:

1983- 1984	Medical Education Committee III-year students
1984-1985	Grand Rounds Program Coordinator Department of Obstetrics and Gynecology Los Angeles County/University of Southern California Medical Center Los Angeles, California
1984- 1987	Board of Directors Pacific Coast Fertility Society Los Angeles, California
1984	Awards Committee Pacific Coast Fertility Society Los Angeles, California
1984	Special Study Section National Institutes of Health Bethesda, Maryland
1984- 1995	Executive Committee Department of Obstetrics and Gynecology Los Angeles County/University of Southern California Medical Center, Los Angeles, California
1985- 1986	Search Committee for Dean University of Southern California School of Medicine Los Angeles, California
1985- 1995	Admissions Committee for Students University of Southern California School of Medicine Los Angeles, California
1986	External Referee Medical Research Council of Canada Ottawa, Canada
1986- 1995	Advisory Committee on Policy American Journal of Obstetrics & Gynecology
1987	Program Chairman Pacific Coast Fertility Society Los Angeles, California

1987- 1995

Ad Hoc Committee for Promotions
University of Southern California
School of Medicine
Los Angeles, California

1987- present

Examiner
Basic Obstetrics and Gynecology
and Reproductive Endocrinology
Oral Examinations
The American Board of Obstetrics and Gynecology, Inc.
Seattle, Washington

1988

Steering Committee
National Cholesterol Education Program
National Heart, Lung and Blood Institute
National Institutes of Health
Bethesda, Maryland

1988

Program Chairman
Society for Gynecologic Investigation
Washington, D.C.

1988

Chairman
Poster Prize Presentation Committee
The American Fertility Society
Birmingham, Alabama

1988-1995

Chairman, Institutional Review Committee
California Medical Center
Los Angeles, California

1988-1995

Advisory Committee
General Clinical Research Center
University of Southern California
School of Medicine
Los Angeles, California

1988-1992

Reproductive Endocrinology Study Section
Division of Research Grants
National Institutes of Health
Bethesda, Maryland

1989- 1995

Secretary-Treasurer
Society for Gynecologic Investigation
Washington, D.C.

1989

Exhibits Chairman
Pacific Coast Fertility Society

1991- 1992	Los Angeles, California Vice President Pacific Coast Fertility Society La Mirada, California
1992- 1993	President Pacific Coast Fertility Society La Mirada, California
1992- 1996	Reviewers Reserve National Institutes of Health Bethesda, Maryland
1992- 1993	Program Chairman The North American Menopause Society Cleveland, Ohio
1993- 1996	Board of Directors The American Fertility Society Birmingham, Alabama
1995-	American Board of Obstetrics & Gynecology Division of Reproductive Endocrinology
1997-1998	President, Society for Gynecologic Investigation

***Committees at Columbia University
College of Physicians and Surgeons:***

CPPN Board
Executive Committee, Medical Board
Surgical Directors Committee
Clinical Chairs Committee
Directors of Service Committee
Dean's Committee on Hospital Appointments

Consultant for the Following Journals:

Acta Endocrinologica
American Journal of Medicine
American Journal of Nephrology
Archives of Internal Medicine
Clinical Chemistry
Contraception
Endocrinology
Epidemiology
European Journal of Obstetrics,
Gynecology and Reproductive Biology
Fertility and Sterility
Gynecologic Oncology
Gynecological Endocrinology
International Journal of Gynaecology and Obstetrics

Journal of Endocrinological Investigation
Journal of the American Medical Association
Life Sciences
New England Journal of Medicine
Obstetrics and Gynecology
The Journal of Clinical Endocrinology
and Metabolism
The Journal of Reproductive Medicine
Journal of In Vitro Fertilization and Embryo Transfer
Proceedings of the National Academy of Science
Australian Medical Journal

Editorship:

Editor-in-Chief
Journal of Society for Gynecological Investigation

Journal Editorships/Editorial Board:

Clinical Pathological Conferences in
Obstetrics and Gynecology

Clinics in Endocrinology and Metabolism

Fertility and Sterility
(Editorial Board, 1986-1993)

Gynecological Endocrinology
(Editorial Board)

Journal of the Society for Gynecologic
Investigation

Menopause Management
(Editorial Board)
Seminars in Reproductive Endocrinology

The American Journal of Obstetrics and
Gynecology, Society for Gynecologic
Investigation issue (1986-1993)

The Journal of Maternal-Fetal Medicine
(Editorial Board)

The Journal of Reproductive Medicine
(Editorial Board)

The Journal of Clinical Endocrinology & Metabolism
(Editorial Board) (1/1/97-12/31/2000)

Contemporary Clinical Gynecology & Obstetrics

Lectureships:

Multiple visiting professorships and speaking engagements. Postgraduate courses and other teaching assignments (medical students, residents, etc) not specifically listed.

Honors and Awards:

Serono Award (In-Training) Paper entitled: The Role of DHEA-S in the Evaluation of Hirsute Women. Presented at the 27th Annual Meeting of the Pacific Coast Fertility Society, October 17-21, 1979, Rancho Mirage, California.

Serono Award (In-Training). Paper entitled: Elevations in Unbound Serum Estradiol as a Possible Mechanism for Inappropriate Gonadotropin Secretion in Women with PCO Presented at the 28th Annual Meeting of the Pacific Coast Fertility Society, October 15-19, 1980, Scottsdale, Arizona.

Wyeth Award. Paper entitled: The Relationship Between Psychological Stress, Neurotransmitters and Androgen Secretion in Women With PCO. Presented at the 29th Annual Meeting of the Pacific Coast Fertility Society October 14-18, 1981, Rancho Mirage, California

Squibb Award. Paper entitled: Hirsutism in Polycystic Ovary Syndrome (PCO). Presented at the 30th Annual Meeting of the Pacific Coast Fertility Society, October 13-17, 1982, Scottsdale, Arizona

Squibb Award
Paper entitled: The Effects of Spironolactone on Adrenal Steroidogenesis in Hirsute Women
Presented at the 32nd Annual Meeting of the Pacific Coast Fertility Society
September 19-23, 1984, Rancho Mirage, California

Wyeth Award
Paper entitled: Prolactin (PRL) Modulates Peripheral Androgen Metabolism (PAM)
Presented at the 33rd Annual Meeting of the

Pacific Coast Fertility Society
April 24-28, 1985
Las Vegas, Nevada

Wyeth Award

Paper entitled: Acute Modulation of the
Hypothalamic-Pituitary Axis (HPA) by
Testosterone (T) in Normal Women

Presented at the 32nd Annual Meeting of the Society for
Gynecologic Investigation

March 20-23, 1985

Phoenix, Arizona

Lester T. Hibbard Award

Outstanding Faculty, 1985

Department of Obstetrics and Gynecology

Los Angeles County/University of Southern

California Medical Center

Los Angeles, California

Second Prize

Paper entitled: Genital Skin 5α Reductase

Activity (5α RA): A Marker of Androgenicity
in Women

Presented at the 4th Annual Meeting of

The American Gynecological and Obstetrical Society

September 4-7, 1985

Hot Springs, Virginia

Squibb Award

Paper entitled: Clinical Heterogeneity in
Turner's Syndrome

Presented at the 34th Annual Meeting of the
Pacific Coast Fertility Society

April 9-13, 1986

San Diego, California

Special Prize Forum

Paper entitled: Differential Pathways of 3α
Androstenediol Glucuronide (3α diol G)

Formation in Human Skin

Presented at the 34th Annual Meeting of the
Society for Gynecologic Investigation

March 18-21, 1987, Atlanta, Georgia

Special Prize Forum

Paper entitled: Opiates Modulate the
Inhibitory Effects of Androgen on the

Hypothalamic-Pituitary Axis (HPA) of Normal Women

Presented at the 34th Annual Meeting of the

Society for Gynecologic Investigation

March 18-21, 1987, Atlanta, Georgia

Serono Award (1st Prize)
Paper entitled: Adrenal Effects of Short-Term
Administration of Testosterone in Normal Women
Presented at the 35th Annual Meeting of the
Pacific Coast Fertility Society
May 6-10, 1987, Palm Springs, California

Serono Award (2nd Prize)
Paper entitled: Secretory Dynamics of
Bioactive and Immunoreactive PRL in PCO
Presented at the 35th Annual Meeting of the
Pacific Coast Fertility Society, May 6-10, 1987
Palm Springs, California

Outstanding Teacher Award, 1988
Department of Family Medicine
University of Southern California
School of Medicine, Los Angeles, California

Serono Award (2nd Prize). Paper entitled: Decreased
Responses of ACTH to Ovine Corticotropin-Releasing
Factor (OCRF) and Increased Adrenal Insensitivity in
Hyperandrogenic Women
Presented at the 37th Annual Meeting of the
Pacific Coast Fertility Society
April 12-16, 1989, Palm Springs, California

Wyeth Award
Paper entitled: Human Chorionic Gonadotropin (hCG)
Enhances Progesterin Stimulation of Prolactin (PRL)
Production by Human Endometrial Stromal Cells in
Culture: Evidence for Trophoblast-Endometrial
Interaction Presented at the 38th Annual

Paracrine
Meeting of the

Pacific Coast Fertility Society
April 25-29, 1990, Scottsdale, Arizona

Mead Johnson Laboratory/Purvis Martin, M.D.
Research Award
Paper entitled: Insulin Induced Stress
Responses and the Effects of Estrogen and
Progesterin in Postmenopausal Women (PMW)

Presented at the 39th Annual Meeting of the
Pacific Coast Fertility Society, April 10-14, 1991
Indian Wells, California

Serono Award (1st Prize)

Paper entitled: The Synergistic Effects of
Clomiphene Citrate and Human Menopausal
Gonadotropins in Folliculogenesis of Hyperstimulated
Cycles as Assessed by GnRH Antagonist (Nal-Glu)
Presented at the 39th Annual Meeting of the
Pacific Coast Fertility Society, April 10-14, 1991,
Indian Wells, California

Serono Award (1st Prize)

Paper entitled: Assessing the Pharmacodynamic
Properties of Exogenously Administered Progesterone:
A comparison of Micronized Vaginal Delivery to
Intramuscular Routes
Presented at the 40th Annual Meeting of the
Pacific Coast Fertility Society
April 8-12, 1992, Indian Wells, California

Mead Johnson Laboratory/Purvis Martin, M.D.,
Research Award

Paper entitled: The Route of Administration
Influences the Effect of Estrogen on Insulin Sensitivity in
Postmenopausal Women. Presented at the 41st Annual
Meeting of the Pacific Coast Fertility Society, April 14-18,
1993, Indian Wells, California

Serono Award (1st Prize)

Paper entitled: Serum AoG is a Useful Marker
for the Treatment of Acne in Normoandrogenic Women
Presented at the 42nd Annual Meeting of the
Pacific Coast Fertility Society, April 20-24, 1994
Indian Wells, California

PUBLICATIONS

Rogério A. Lobo, M.D.

Peer-Review Journals:

1. Lobo RA, Kletzky OA, Kaptein EM and Goebelsmann U: Prolactin modulation of dehydroepiandrosterone sulfate secretion. *Am J Obstet Gynecol* 138:632-636, 1980.
2. Lobo RA, March CM, Goebelsmann U, Krauss RM and Mishell DR Jr: Sub-dermal estradiol pellets following hysterectomy and oophorectomy. Effect upon serum estrone, estradiol, luteinizing hormone, follicle-stimulating hormone, corticosteroid binding globulin-binding capacity, testosterone-estradiol binding globulin-binding capacity, lipids, and hot flushes. *Am J Obstet Gynecol* 138:714-719, 1980.
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55. Shoupe D and Lobo RA: PRL responses after GnRH in PCO. Presented at the 40th Annual Meeting of The American Fertility Society, April 2-7, 1984, New Orleans, Louisiana.
56. Serafini P, Ablan F, Horton R and Lobo R: The effects of spironolactone and progesterone on in vitro 5 α -reductase activity in hirsute women. Presented at the International Symposium on Regulation of Androgen Action, June 29-July 1, 1984, Montreal, Quebec, Canada.

57. Serafini P, Ablan F and Lobo R: Increased in vitro production of DHT-glucuronide (G) and 3α - androstenediol (3α -diol) G from the skin of hirsute women. Presented at the 7th International Congress of Endocrinology, July 1-7, 1984. Quebec City, Quebec, Canada.
58. Shoupe D, Barnes RB, Montz FJ, Brazal SD and Lobo R: Bioactive (bio) LH and the bio: immunoreactive (i) LH ratio after naloxone (nal) as a probe for endogenous central opioid activity (COA) in women. Presented at the 7th International Congress of Endocrinology, July 1-7, 1984, Quebec City, Quebec, Canada.
59. Barnes R, Shoupe D and Lobo R: Endogenous opioid activity in polycystic ovary syndrome. Presented at the 7th International Congress of Endocrinology, July 1-7, 1984, Quebec City, Quebec, Canada.
60. Hoffman D, Lobo R, Platt L and diZerega G: Differential follicular response in anovulatory patients to purified urinary FSH versus purified urinary FSH and LH. Presented at the Vth Reinier de Graaf Symposium: Gamete Quality and Fertility Regulation, August 23-25, 1984, Nijmegen, The Netherlands.
61. Serafini P and Lobo R: The effects of spironolactone on adrenal steroidogenesis in hirsute women. Presented at the 32nd Annual Meeting of the Pacific Coast Fertility Society, September 19-23, 1984, Rancho Mirage, California.
62. Barnes R, Shoupe D, Chiang J and Lobo R: Central opioid activity in polycystic ovary syndrome. Presented at the 32nd Annual Meeting of the Pacific Coast Fertility Society, September 19-23, 1984, Rancho Mirage, California.
63. Vargyas J, Lobo R and Mishell D: Brain opioid activity in the premenstrual cycle. Presented at the 32nd Annual Meeting of the Pacific Coast Fertility Society, September 19-23, 1984.
64. Hoffman DI, Lobo R, Moyer D, Roy S and Platt L: Evaluation of early follicular phase administration of a potent gonadotropin-releasing hormone agonist (Wy-40, 972, Wyeth). Presented at the 32nd Annual Meeting of the Pacific Coast Fertility Society, September 19-23, 1984, Rancho Mirage, California.
65. Steingold KA, Lobo R, Andrews L, Lu JKH, Judd HL and Chang RJ: The effect of bromocriptine on gonadotropin secretion in polycystic ovary disease. Presented at the 32nd annual Meeting of the Pacific Coast Fertility Society, September 19-23, 1984, Rancho Mirage, California.
66. Lobo RA and Serafini PC: Peripheral androgen metabolism (PAM) in postmenopausal (PM) women and the complaint of hirsutism. Presented at The Fourth International Congress on the Menopause, October 28-November 2, 1984, Orlando, Florida.

67. Barnes R, Roy S and Lobo R: Plasma lipid and serum androgen levels in postmenopausal (PM) women treated with depo-medroxyprogesterone acetate (DMPA). Presented at The Fourth International Congress on the Menopause, October 28-november 2, 1984, Orlando, Florida.
68. Serafini P, Paulson F, Elkind-Hirsch K, Hernandez M and Lobo R: Acute modulation of the hypothalamic pituitary axis (HPA) by testosterone (T) in normal women. Presented at the 32nd Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1985, phoenix, Arizona.
69. Baranes R, Cha K and Lobo R: Altered dopaminergic control of PRL in polycystic ovary syndrome (PCO). Presented at the 32nd Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1985, Phoenix, Arizona.
70. Barnes R, Lee D and Lobo R: Dopamine but not norepinephrine influences the bioactivity of LH in normal women. Presented at the 32nd Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1985, Phoenix, Arizona.
71. Paulson R, Serafini P, Catalino J and Lobo R: Serum and urinary 3 α -androstanediol glucuronide 3 α -diol G) and their correlations with genital skin 5 α -reductase activity (5 α RA) and 3 α -diol G formation. Presented at the 32nd Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1985, Phoenix, Arizona.
72. Baranes RB, Chiang JH, Cha KY, Shoupe D and Lobo R: Responses of bio and iLH and FSH to 2 doses of a nasal GnRH agonist. Presented at the 33rd Annual Meeting of the Pacific Coast Fertility Society, April 24-28, 1985, Las Vegas, Nevada.
73. Paulson RJ, Bernstein GS and Lobo RA: Idiopathic oligospermia and peripheral androgen metabolism. Presented at the 33rd Annual Meeting of the Pacific Coast Fertility Society, April 24-28, 1985, Las Vegas, Nevada.
74. Serafini PC and Lobo RA: Prolactin (PRL) modulates peripheral androgen metabolism (PAM). Presented at the 33rd Annual Meeting of the Pacific Coast Fertility Society, April 24-28, 1985, Las Vegas, Nevada.
75. Serafini P, Paulson R, Francis M and Lobo R: Testosterone elicits divergent PRL and LH responses after GnRH in normal women. Presented at the 67th Annual Meeting of The Endocrine Society, June 19-21, 1985, Baltimore, Maryland.
76. Barnes R, Artal R and Lobo R: Altered catecholamine metabolism in polycystic ovary syndrome (PCO). Presented at the 67th Annual Meeting of The Endocrine Society, June 19-21, 1985, Baltimore, Maryland.
77. Greep N, Hoopes M, Lobo R and Horton R: Evidence for a role of androstenedione as precursor of plasma DHT and androstanediol glucuronide in normal hirsute women.

Presented at the 67th Annual Meeting of The Endocrine Society, June 19-21, 1985, Baltimore, Maryland.

78. Lobo RA, Serafini PC and Paulson RJ: Genital skin 5 α -reductase activity (5 α RA): A marker of androgenicity in women. Presented at the 4th Annual Meeting of The American Gynecological and Obstetrical Society, September 4-7, 1985, Hot Springs, Virginia.
79. Mileikowsky G, Anderson R, Chen D, Siegel M and Lobo R: Radionuclide hysterosalpingo tomography (RHST) for the evaluation of the reproductive tract in infertility. Presented at the 41st Annual Meeting of The American Fertility Society, September 27-October 2, 1985, Chicago, Illinois.
80. Barnes R, Spencer C and Lobo R: Responses of LH, PRL and TSH to dopaminergic blockade in polycystic ovary syndrome (PCO): Lack of evidence for decreased dopaminergic activity. Presented at the 41st Annual Meeting of The American Fertility Society, September 27-October 2, 1985, Chicago, Illinois.
81. Cha K, Barnes R, Marrs R and Lobo R: Oocyte maturity in the spontaneous cycle correlates with follicular fluid (FF) progesterone (Prog) levels and LH of greater biological activity. Presented at the 41st Annual Meeting of The American Fertility Society, September 27-October 2, 1985, Chicago, Illinois.
82. Paulson R, Serafini P and Lobo R: Effect of sex steroids on 5 α -reductase activity (5 α RA) in vitro. Presented at the 41st Annual Meeting of The American Fertility Society, September 27-October 2, 1985, Chicago, Illinois.
83. Hoffman D, Lobo R, Campeau J and diZerega G: Increased prolactin (PRL) levels in gonadotropin-stimulated cycles. Presented at the 41st Annual Meeting of The American Fertility Society, September 27-October 2, 1985, Chicago, Illinois.
84. Cha K, Campeau J, Marrs R, Nakamura R and Lobo R: Follicular fluid (FF) LH bioactivity and oocyte maturity (OM) in spontaneous (S) and stimulated (STIM) cycles. Presented at the 33rd Annual Meeting of the Society for Gynecologic Investigation, March 19-22, 1986, Toronto, Ontario, Canada.
85. Paulson RJ, Paulson YJ, Silva PD, Cha KY, Lobo RA, Yee B and Marrs RP: Hormonal dynamics of hCG-triggered ovulation: Bio-hCG and steroid response. Presented at the 33rd Annual Meeting of the Society for Gynecologic Investigation, March 19-22, 1986, Toronto, Ontario, Canada.
86. Shoupe D, Spitz I, Osborn C, Page M, Mishell D Jr and Lobo R: Effects of progesterone (P) antagonism on gonadotropins at midcycle and during the luteal phase. Presented at the 33rd Annual Meeting of the Society for Gynecologic Investigation, March 19-22, 1986, Toronto, Ontario, Canada.

87. Silva P, Paulson R, Serafini P, Francis M and Lobo R: Acute effects of testosterone (T) on immunoreactive luteinizing hormone (ILH) and bioreactive LH (BLH) in normal women. Program book of the 33rd Annual Meeting of the Society for Gynecologic Investigation, March 19-22, Toronto, Ontario, Canada.
88. Paulson R, Gentzschein E, Nguyen H and Lobo R: Differences between genital skin (G) and pubic (P) skin 5 α -reductase activity (5 α RA). Program book of the 33rd Annual Meeting of the Society for Gynecologic Investigation, March 19-22, 1986, Toronto, Ontario, Canada.
89. Silva P, Gentzschein E, Paulson R, Horton R and Lobo R: Androstenedione (A) as precursor for DHT: Evidence for dissociated blood and tissue DHT production (P). Program book of the 33rd Annual Meeting of the Society for Gynecologic Investigation, March 19-22, 1986, Toronto, Ontario, Canada.
90. Paulson RJ, Silva PD, Paulson YJ, Cha KY, Yee B, Lobo RA and Marrs RP: The effects of different doses of intramuscular hCG on follicular fluid (FF) steroid and hCG levels and on oocyte maturity (OM). Presented at the 34th Annual Meeting of the Pacific Coast Fertility Society, April 9-13, 1986, San Diego, California.
91. Rosen GF, Vermesh M, Gentzschein E and Lobo RA: Clinical heterogeneity in Turner's syndrome. Presented at the 34th Annual Meeting of the Pacific Coast Fertility Society, April 9-13, 1986, San Diego, California.
92. Silva PD, Porto M, Moyer DL and Lobo RA: Expression of androgenicity in a nonsteroid secreting tumor in pregnancy. Presented at the 34th Annual Meeting of the Pacific Coast Fertility Society, 9-13, 1986, San Diego, California.
93. Rosen GF and Lobo RA: Further evidence against dopamine (DA) deficiency as a cause of inappropriate gonadotropin secretion (IGS) in polycystic ovary syndrome (PCO). Presented at the 42nd Annual Meeting of The American Fertility Society/Canadian Fertility and Andrology Society, September 27-October 2, 1986, Toronto, Ontario, Canada.
94. Silva PD and Lobo RA: Androstenedione (A) is the major precursor of tissue dihydrotestosterone (DHT)-production (P) in women. Presented at the 42nd Annual Meeting of The American Fertility Society/Canadian Fertility and Andrology Society, September 27- October 2, 1986, Toronto, Ontario, Canada.
95. Rosen GF, Cha K-Y, Marrs RP and Lobo RA: Effects of pure FSH (Metrodin) and HCG on hormonal characteristics on follicular fluid (FF) and their correlation with oocyte maturity (OM). Presented at the 42nd Annual Meeting of The American Fertility Society/Canadian Fertility and Andrology Society, September 27-October 2, 1986, Toronto, Ontario, Canada.
96. Xu YK, Ng, WG, Kaufman F, Lobo R and Donnell GN: Galactose metabolism in human

- ovary. Presented at the Annual Meeting of the American Federation for Clinical Research, Western Society for Pediatric Research, February 3-6, 1987, Carmel, California.
97. Pasupuleti V, Lobo R and Horton R: Formation of androstenediol glucuronide by human sexual skin. Presented at the Annual Meeting of the American Federation for Clinical Research, Western Society for Clinical Research, February 3-6, 1987, Carmel, California.
 98. Lobo R, Gentzschlein E, Pasupuleti V and Horton R: Differential pathways of 3α -diol G formation in human skin. Presented at the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987, Atlanta, Georgia.
 99. Vermesh M, Silva PD and Lobo R: Opiates modulate the inhibitory effect of androgen on the hypothalamic-pituitary axis (HPA) of normal women. Presented at the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987, Atlanta, Georgia.
 100. Davidson A, Vermesh M, Vijod A, Paulson RJ and Lobo R: Presence of immunoreactive β -endorphin ($i\beta$ EP) in seminal plasma (SP) and its possible involvement in sperm motility. Presented at the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987, Atlanta, Georgia.
 101. Kaufman F, Xu Y, Ng W, Donnell G and Lobo R: Characterization of ovarian failure in galactosemia (G) and galactose (gal) metabolism in the ovary. Presented at the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987, Atlanta, Georgia.
 102. Lobo R, Nguyen H, Eggena P and Brenner P: Biological effects of equilin sulfate (EqS): Differences in hepatic and bone resorbing effects. Presented at the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987, Atlanta, Georgia.
 103. Paulson RJ, Do Y, Hsueh W, Eggena P and Lobo R: Prorenin (PR), renin activity (RA) and renin substrate (RS) in follicular fluid (FF): Correlation with oocyte maturity (OM) and FF steroids. Presented at the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987, Atlanta, Georgia.
 104. Shoupe D, Roy S and Lobo RA: Psychological function (Psy) and peripheral and central opioid activity (COA) in postmenopausal women (PM): Estrogen and progestin effects. Presented at the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987, Atlanta, Georgia.
 105. Vermesh M, Silva PD, Rosen GF and Lobo R: Induction of partial 21-hydroxylase deficiency by androgen in normal women. Program book of the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987, Atlanta, Georgia.

106. Davidson A, Vermesh M, Toker R, Braxton P, Lobo R and Paulson R: Mouse embryo culture as quality control for human IVF: The once cell (1C) vs. two cell (2C) model. Presented at the Vth World Congress - In Vitro Fertilization and Embryo Transfer, April 5-10, 1987, Norfolk, Virginia.
107. Lobo RA, Cristo M and Crary W: Effects of estrogen on psychological function in asymptomatic postmenopausal women. Presented at the Fifth International Congress on the Menopause, April 6-10, 1987, Sorrento, Italy.
108. Nguyen HN, Eggena P and Lobo RA: Biological effects of equilin sulfate; Differences in hepatic and bone resorbing effects. Presented at the Fifth International Congress on the Menopause, April 6-10, 1987, Sorrento, Italy.
109. Morton J, Fraser D, Whitehead MI and Lobo R: Is failure of progesterone action upon the endometrium due to poor end-organ response or to poor absorption/rapid metabolism of the progestogen? Presented at the Fifth International Congress on the Menopause, April 6-10, 1987, Sorrento, Italy.
110. Anderson RE, Ben-Rafael Z, Meloni L, Flickinger M, Barnes RB, Rosen GF and Lobo RA: Secretory dynamics of bioactive and immunoreactive PRL in PCO. Presented at the 35th Annual Meeting of the Pacific Coast Fertility Society, May 6-10, 1987, Palm Springs, California.
111. Davidson A, Vermesh M, Lobo RA and Paulson RJ: The temporal effects of changes in IVF culture media on the one-cell (1C) mouse embryo system. Presented at the 35th Annual Meeting of the Pacific Coast Fertility Society, May 6-10, 1987, Palm Springs, California.
112. Davidson A, Vermesh M, Vijod AG, Paulson RJ and Lobo RA: The presence of calcitonin in seminal plasma. Presented at the 35th Annual Meeting of the Pacific Coast Fertility Society, May 6-10, 1987, Palm Springs, California.
113. Silva PD, Paulson RJ, Anderson RE, Werlin LB, Stein AL and Lobo RA: Ectopic pregnancy in contralateral tubal remnants after unilateral tubal anastomosis: Preventable and unpreventable causes. Presented at the 35th Annual Meeting of the Pacific Coast Fertility Society, May 6-10, 1987, Palm Springs, California.
114. Stein A, Manoogian C, Vijod A and Lobo R: Adrenal androgen excess resulting in virilization and PCO-like features. Presented at the 35th Annual Meeting of the Pacific Coast Fertility Society, May 6-10, 1987, Palm Springs, California.
115. Vermesh M, Silva PD, Rosen GF and Lobo RA: Adrenal effects of short-term administration of testosterone in normal women. Presented at the 35th Annual Meeting of the Pacific Coast Fertility Society, May 6-10, 1987, Palm Springs, California.

116. Stanczyk FZ, Kaufman FR, Gentzschein E and Lobo RA: Androstenedione (A) is an important precursor of dihydro-testosterone (DHT) in the skin of women and is metabolized via 5α -androstenedione (5α -A). Presented at the 69th Annual Meeting of The Endocrine Society, June 10-12, 1987, Indianapolis, Indiana.
117. Shoupe D, Mishell DR Jr, Tonetta SA, Spitz IM, Madkour H and Lobo RA: Suppression of ovulation by follicular phase administration of the antiprogestin RU 486 and evidence for suppression of ovarian steroidogenesis. Presented at the 69th Annual Meeting of The Endocrine Society, June 10-12, 1987, Indianapolis, Indiana.
118. Pasupuleti V, Lobo R and Horton R: Conversion of dihydrotestosterone to androstenediol glucuronide by skin. Presented at the 69th Annual Meeting of The Endocrine Society, June 10-12, 1987, Indianapolis, Indiana.
119. Davidson A, Vermesh M, Lobo RA and Paulson RJ: The temporal effects of changes in IVF culture media on the one-cell (1C) mouse embryo system. Presented at the 43rd Annual Meeting of The American Fertility Society, September 28-30, 1987, Reno, Nevada.
120. Stein AL and Lobo RA: Factors determining clitoral hypertrophy (CH) in hyperandrogenism. Presented at the 43rd Annual Meeting of The American Fertility Society, September 28-30, 1987, Reno, Nevada.
121. Anderson R, Cragun J, Chang RJ, Bhasin S, Stanczyk F, Vijod M and Lobo RA: Pharmacodynamics of human urinary FSH (hFSH) and human menopausal gonadotropin hMG) in PCO and normal women. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988, Baltimore, Maryland.
122. Shoupe D, Mishell DR Jr and Lobo R: Evidence that oxytocin increases cortisol secretion and decreases LH pulsatility in normal women. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988, Baltimore, Maryland.
123. Matteri RK, Stanczyk FZ, Kaufman FR, Vijod AG, Anderson RE and Lobo RA: Measurement and comparison of circulating C19 sulfates and glucuronides in normal and hirsute women and men. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988, Baltimore, Maryland.
124. Paulson RJ, Do Y, Hsueh W and Lobo R: Prorenin (PR) and renin activity (RA) in ovarian venous (OV) and peripheral venous (PV) blood: Gradients and correlations with ovarian steroids. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988, Baltimore, Maryland.
125. Kaufman FR, Matteri RK, Stanczyk FZ, Gentzschein E, Delgado C and Lobo RA: Characterization of dehydroepiandrosterone (DHEA) and DHEA-sulfate (S) metabolism

in

human genital skin. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988, Baltimore, Maryland.

126. Stanczyk FZ, Shoupe D, Nunez V and Lobo RA: A randomized comparison of non-oral-estradiol (E2) delivery in post-menopausal women (PM). Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988, Baltimore, Maryland.
127. Matteri RK, Stanczyk FZ, Kaufman FR, Chenette PE, Anderson RE, Gentzschein E and Lobo RA: Androgen sulfates as markers of peripheral androgen action in hirsutism. Presented at the 36th Annual Meeting of the Pacific Coast Fertility Society, April 13-17, 1988, Palm Springs, California.
128. Anderson RE, Stein AL, Paulson RJ and Lobo RA: Effects of norethindrone (NET) used to program oocyte retrieval for in vitro fertilization. Presented at the 36th Annual Meeting of the Pacific Coast Fertility Society, April 13-17, 1988, Palm Springs, California.
129. Shoupe D, Mishell DR, Lobo RA, Lacarra M, Horenstein J, d'Ablain G, Moyer D: Correlation of endometrial maturation with 4 methods of estimating day of ovulation. Presented at the 36th Annual Meeting of the Pacific Coast Fertility Society, April 13-17, 1988, Palm Springs, California.
130. Graczykowski JW, Vermesh M, Siegel MS and Lobo RA: The effect of beta-endorphin (β -EP) and calcitonin (CT) on sperm movement characteristics in vitro. Presented at the 36th Annual Meeting of the Pacific Coast Fertility Society, April 13-17, 1988, Palm Springs, California.
131. Matteri RK, Stanczyk FZ, Kaufman FR, Delgado C, Gentzschein E and Lobo RA: Production of C19 sulfates and glucuronides in human genital skin. Presented at the 70th Annual Meeting of The Endocrine Society, June 8-11, 1988, New Orleans, Louisiana.
132. Carmina E, Malizia G, Janni A and Lobo RA: Comparison of adrenal responses with ACTH and ovine (O) CRF in normal and hyperandrogenic women. Presented at the 70th Annual Meeting of The Endocrine Society, June 8-11, 1988, New Orleans, Louisiana.
133. Matteri R, Hatch I, Delgado C, Paulson R, Stanczyk F and Lobo R: Influence of the ovary on androgens of peripheral origin. Presented at the 44th Annual Meeting of The American Fertility Society, October 8-13, 1988, Atlanta, Georgia.
134. Anderson RE, Paulson RJ, Sauer MV and Lobo RA: Evidence supporting the routine use of a GnRH agonist (GnRH-a) during ovarian stimulation for in vitro fertilization (IVF). Presented at the 4th Annual Meeting of The American Fertility Society, October 8-13, 1988, Atlanta, Georgia.
135. Vermesh M, Silva PD, Rosen GF, Stein AL, Fossum GT, Anderson RE, Sauer MV,

- Vargyas JM, Lobo RA and Mishell DR Jr: Management of unruptured ectopic pregnancy (UEP) by linear salpingostomy (LS). An extended, prospective clinical trial of laparoscopy (LSC) versus laparotomy. Presented at the 44th Annual Meeting of the American Fertility Society, October 8-13, 1988, Atlanta, Georgia.
136. Levin JH, Anderson RE, Stanczyk FZ and Lobo RA: Characteristics of progestin (P) inhibition of gonadotropin secretion in normal women. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989, San Diego, California.
 137. Matteri RK, Stanczyk FZ, Lee DG, Delgado C, Gentzschein E and Lobo RA: C-19 conjugates reflect both ovarian and peripheral androgen metabolism. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989, San Diego, California.
 138. Matteri RK, Stanczyk FZ, Gentzschein E, Vijod AG and Lobo RA: Δ^5 androstenediol and its conjugates in pre and post-menopausal women and men. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989, San Diego, California.
 139. Stanczyk FZ, Nadler J, Vijod AG, Krikorian L, Rosen GF, Steinleitner A and Lobo RA: Influence of estrogen and the effect of smoking on prostacyclin (PGI_2) and thromboxane A_2 (TXA_2) balance in postmenopausal women. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989, San Diego, California.
 140. Steinleitner A, Stanczyk FZ, Levin JH, Vijod MA, Nakamura RM and Lobo RA: Decreased production of 6-keto-prostaglandin ($\text{F}_{1\alpha}$) ($6\text{KPGF}_{1\alpha}$) by postmenopausal uterine arteries. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989, San Diego, California.
 141. Steinleitner A, Stanczyk FZ, Paulson RJ and Lobo RA: Characterization of proopiomelanocortin (POMC) peptides in porcine and human follicular fluid. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989, San Diego, California.
 142. Paulson RJ, Hernandez MF, Do YS, Hsueh WA and Lobo RA: Angiotensin II (AII) modulation of steroidogenesis by luteinized granulosa cells in vitro. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989, San Diego, California.
 143. Carmina E, Levin JH, Malizia G and Lobo RA: Decreased responses of ACTH to ovine corticotropin-releasing factor (oCRF) and increased adrenal insensitivity in hyperandrogenic women. Presented at the 37th Annual Meeting of the Pacific Coast Fertility Society, April 12-16, 1989, Palm Springs, California.
 144. Paulson RJ, Francis-Hernandez M, Macaso TM, Lobo RA and Sauer MV: Embryo

implantation following human in vitro fertilization (IVF): Relative contributions of embryo quality (EQ) and endometrial receptivity (ER). Presented at the 37th Annual Meeting of the Pacific Coast Fertility Society, April 12-16, 1989, Palm Springs, California.

145. Sauer MV, Macaso TM, Francis-Hernandez M, Lobo RA and Paulson RJ: Establishment of a non-anonymous donor oocyte program: Preliminary experience at the University of Southern California. Presented at the 37th Annual Meeting of the Pacific Coast Fertility Society, April 12-16, 1989, Palm Springs, California.
146. Carmina E, Levin JH and Lobo RA: Clinical similarities between late onset congenital adrenal hyperplasia and polycystic ovary syndrome. Presented at the 71st Annual Meeting of The Endocrine Society, June 21-24, 1989, Seattle, Washington.
147. Matteri RK, Kaufman FR, Stanczyk FZ, Gentzschein E, Vijod AG and Lobo RA: Androgens of peripheral origin increase during adrenarche in boys. Presented at the 71st Annual Meeting of The Endocrine Society, June 21-24, 1989, Seattle, Washington.
148. Matteri RK, Levin JH, Stanczyk FZ, Paulson RJ and Lobo RA: Androgens are elevated with gonadotropin therapy despite GnRH-agonist suppression. Presented at the 45th Annual Meeting of The American Fertility Society, November 11-16, 1989, San Francisco, California.
149. Carmina E, Stanczyk FZ, Matteri RK and Lobo RA: Androsterone glucuronide signifies the presence and severity of acne (A) among hyperandrogenic hirsute women (HHW). Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
150. Lee DG, Pike MC, Stanczyk FZ and Lobo RA: A reevaluation of the effects of smoking on estrogen status. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
151. Presser SC, Stanczyk FZ and Lobo RA: The simultaneous measurements of prostacyclin and thromboxane metabolites during the menstrual cycle and in postmenopausal women. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
152. Levin, JH, Tonetta SA, Hickey MJ and Lobo RA; Growth factors modulate prolactin (PRL) production by isolated, dispersed human endometrial stromal cells in culture. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
153. Levin JH, Tonetta SA, Stanczyk FZ and Lobo RA: Differential regulation of prolactin (PRL) and prostacyclin production by human endometrial stromal cells in culture.

Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.

154. Levin JH, Hickey MJ and Lobo RA: Mechanisms of clomiphene citrate (CC) resistance in polycystic ovary syndrome (PCO). Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
155. Stanczyk FZ, Moltz L, Schwartz U and Lobo RA: Dexamethasone (DEX) suppressibility and adrenal and ovarian venous effluents of 5 α -reduced C19 conjugates in women. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
156. Steinleitner A, Stanczyk FZ and Lobo RA: Production of POMC peptides under gonadotropin stimulation and modulation of ovarian steroidogenesis by POMC peptides in cultured porcine granulosa cells (pGC). Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
157. Sauer MV, Paulson RJ and Lobo RA: Oocyte donation: Extending reproductive potential to women over forty. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
158. Paulson RJ, Sauer MV and Lobo RA: Factors affecting embryo implantation (EI) following human in vitro fertilization (IVF). Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
159. Paulson RJ, Sauer MV, Francis MM, Macaso TM and Lobo RA: In vitro fertilization (IVF) in unstimulated cycles. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
160. Price T, Dupuis R, Pollack G, Mattern W, Stanczyk F, Lobo R, Dotters D and Droegemueller W: Single dose pharmacokinetics of a 35 μ g ethinyl estradiol, 1 mg norethindrone combination oral contraceptive in women with chronic renal failure on continuous ambulatory peritoneal dialysis. Presented at the 37th Annual Meeting of the Society for gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
161. Kovacs BW, Kornafel K, Shahbahrani B, Curtain J and Lobo R: Molecular alterations in endometrial hyperplasias and cancers. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990, St. Louis, Missouri.
162. Sauer MV, Paulson RJ, Macaso TM, Francis MM and Lobo RA: Nonanonymous oocyte donation: A successful treatment for infertility in women with ovarian failure. Presented at the 38th Annual Meeting of the Pacific Coast Fertility Society, April 25-29, 1990, Scottsdale, Arizona.
163. Frederick JL, Paulson RJ, Sauer MV, Francis MM, Macaso TM and Lobo RA: In vitro fertilization (IVF) in unstimulated cycles: Analysis of follicular fluid (FF) steroids.

Presented at the 38th Annual Meeting of the Pacific Coast Fertility Society, April 25-29, 1990, Scottsdale, Arizona.

164. Paulson RJ, Sauer MV, Francis MM, Macaso TM and Lobo RA: Use of test-yolk buffer (TYB) to enhance fertilization during human in vitro fertilization (IVF) in cases of suspected male infertility. Presented at the 38th Annual Meeting of the Pacific Coast Fertility Society, April 25-29, 1990, Scottsdale, Arizona.
165. Levin JH, Tonetta SA and Lobo RA: Human chorionic gonadotropin (hCG) enhances progestin stimulation of prolactin (PRL) production by human endometrial stromal cells in culture: Evidence for trophoblast-endometrial paracrine interaction. Presented at the 38th Annual Meeting of the Pacific Coast Fertility Society, April 25-29, 1990, Scottsdale, Arizona.
166. Levin JH, Tonetta SA and Lobo RA: Leuprolide acetate (LA) does not alter progestin stimulation of prolactin (PRL) production by human endometrial stromal cells in culture. Presented at the 38th Annual Meeting of the Pacific Coast Fertility Society, April 25-29, 1990, Scottsdale, Arizona.
167. Carmina E and Lobo RA: Serum levels of 5 androgen metabolites in hirsutism. Presented at the XXIII Congresso Della Societa Italiana di Endocrinologia, May 27-29, 1990, Porto Conte-Alghero, Italy.
168. Carmina E and Lobo RA: Effect of long term dexamethasone (DEX) or spironolactone (S) administration on clinical presentation and peripheral androgen metabolites in hirsutism. Presented at the 2nd European Congress of Endocrinology, July 1-6, 1990, Ljubljana, Yugoslavia.
169. Stanczyk FZ, Matteri RK and Lobo RA: An assessment of serum C₁₉ sulfates and glucuronides as markers of peripheral androgen metabolism in women. Presented at the VIII International Congress on Hormonal Steroids, September 16-21, 1990, The Hague, The Netherlands.
170. Paulson RJ, Sauer MV, Francis MM, Macaso TM and Lobo RA: Norethindrone (NET) blocks the initial agonistic response to leuprolide acetate (LA). Presented at the 46th Annual Meeting of The American Fertility Society, October 13-18, 1990, Washington, D.C.
171. Ditkoff EC, Cassidenti DL, Paulson RJ, Sauer MV, Paul WL and Lobo RA: The GnRH antagonist, Nal-Glu, acutely blocks the LH surge but allows for resumption of folliculogenesis in normal women and in women undergoing hyperstimulation. Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991,

San Antonio, Texas.

172. Cassidenti DL, Sauer MV, Paulson RJ, Ditkoff EC and Lobo RA: A proposed protocol for the use of the GnRH-antagonist (Nal-Glu) in IVF cycles and its comparison to the GnRH-agonist (A). Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991, San Antonio, Texas.
173. Miles RA, Cassidenti DL, Carmina E, Gentzschein E, Stanczyk FZ and Lobo RA: Percutaneous androstenedione as an in vivo test of inherent 5 α -reductase activity (5 α -RA). Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991, San Antonio, Texas.
174. Cassidenti DL, Stanczyk FZ and Lobo RA: The relationship between insulin resistance, IGF-1 levels, adrenal androgens and peripheral androgen metabolism in polycystic ovary syndrome (PCO). Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991, San Antonio, Texas.
175. Stanczyk FZ, Chang L, Carmina E and Lobo RA: Is 11 β -hydroxyandrostenedione (11 β -OHA) a better marker of adrenal androgen excess than dehydroepiandrosterone (DS)? Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991, San Antonio, Texas.
176. Levin JH, Stanczyk FZ, Vijod MA and Lobo RA: Growth factors stimulate prostaglandin production from human endometrial stromal cells in culture. Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991, San Antonio, Texas.
177. Chang L, Stanczyk FZ, Cassidenti DL, Putz Z and Lobo RA: Is the ovary a source of 11 β -hydroxyandrostenedione among hyperandrogenic women? Presented at the 38th Annual Meeting of the Soc. for Gynecol Invest. March 20-23, 1991, San Antonio, Texas.
178. Presser SC, Stanczyk FZ, Delgado C and Lobo RA: Insulin sensitivity in postmenopausal women and the effects of estrogen. Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991, San Antonio, Texas.
179. Paulson RJ, Sauer MV, Francis MM, Macaso TM and Lobo RA: Factors affecting success of human in vitro fertilization (IVF) in unstimulated cycles. Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991, San Antonio, Texas.
180. Bergman A, Lobo R and Stanczyk FZ: Role of prostaglandins in detrusor instability. Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991, San Antonio, Texas.
181. Dodds WG, Friedman CI, Lobo R, Goldberg J and Kim MH: Low dose daily verses

- alternate day dexamethasone therapy in adrenal hyperandrogenism. Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991, San Antonio, Texas.
182. Meme D, Shoupe D and Lobo R: Use of progesterone (P) releasing intrauterine device for protection of the endometrium in menopausal hormone replacement: A pilot study. Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991, San Antonio, Texas.
 183. Cassidenti DL, Paulson RJ, Lobo RA and Sauer MV: The synergistic effects of clomiphene citrate and human menopausal gonadotropins in folliculogenesis of hyperstimulated cycles as assessed by GnRH antagonist (Nal-Glu). Presented at the 39th Annual Meeting of the Pacific coast Fertility Society, April 10-14, 1991, Indian Wells, California.
 184. Presser SC, Stanczyk FZ, Sauer MV, Delgado C and Lobo RA: Insulin induced stress responses and the effects of estrogen and progestin in postmenopausal women (PMW). Presented at the 39th Annual Meeting of the Pacific Coast Fertility Society, April 10-14, 1991, Indian Wells, California.
 185. Carmina E, Stanczyk FZ, Chang L, Miles RA and Lobo RA: The ratio of androstenedione (A)/11 β -hydroxyandrostenedione (11 β -A) is an important marker of adrenal androgen excess in women. Presented at the 39th Annual Meeting of the Pacific Coast Fertility Society, April 10-14, 1991, Indian Wells, California.
 186. Cassidenti DL, Matteri RK, Vijod AG and Lobo RA: Lack of correlation between the suppression of androgen levels and the ovulatory response in clomiphene resistant patients with polycystic ovary syndrome (PCO). Presented at the 39th Annual Meeting of the Pacific Coast Fertility Society, April 10-14, 1991, Indian Wells, California.
 187. Paulson RJ, Sauer MV, Francis MM, Macaso M and Lobo RA: Embryo implantation after in vitro fertilization (IVF) in unstimulated cycles. Presented at the 39th Annual Meeting of the Pacific Coast Fertility Society, April 10-14, 1991, Indian Wells, CA.
 188. Ditkoff EC, Levin JH, Paul WL, and Lobo RA: Time-related fluorimmunoassay (FIA): A better clinical indication of LH biological activity. Presented at the 47th Annual Meeting of The American Fertility Society, October 19-24, 1991, Orlando, Florida.
 189. Carmina E, Ditkoff EC, Vijod AG, Janni A and Lobo RA: Increased circulating levels of β -endorphin in PCO are not due to increased pituitary secretion. Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1992, San Antonio, Texas.
 190. Millar LK, Goodwin TM, Stanczyk FZ, Lobo RA and Paul RH: Effect of 6 hour

infusion of the oxytocin antagonist atosiban on uterine activity and plasma PGFM.
Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation,
March 18-21, 1992, San Antonio, Texas.

191. Ng S, Shoupe D and Lobo R: Peripheral vasodilatory effect of conjugated equine estrogens in postmenopausal women. Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1992, San Antonio, Texas.
192. Lindheim SR, Legro RS, Stanczyk FZ, Vijod MA and Lobo RA: Stress responses in pre- and postmenopausal women and the effects of estrogen. Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1992, San Antonio, Texas.
193. Ditkoff EC, Kornafel KL, Carmina E, Shoupe D, Stanczyk FZ and Lobo RA: Corticotropin-releasing factor decreases fasting insulin levels in patients with PCO. Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1992, San Antonio, Texas.
194. Carmina E, Getzschein E and Lobo RA: Evidence for increased androsterone metabolism in nonhyperandrogenic acne. Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1992, San Antonio, Texas.
195. Ditkoff EC, Fruzzetti F, Chang L, Stanczyk FZ and Lobo RA: Ovarian influence on adrenal androgen sensitivity and secretion in PCO. Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1992, San Antonio, Texas.
196. Price T, Carr B, Dupulis R, Stanczyk F and Lobo R: Multiple dose pharmacokinetics of
a 35 µg ethinyl estradiol, 1 mg norethindrone oral contraceptive in women with chronic renal failure on peritoneal dialysis. Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1992, San Antonio, Texas.
197. Miles RA, Lobo RA, Paulson RJ and Sauer MV: The use of testolactone to prevent ovarian hyperstimulation syndrome (OHSS) after gonadotropin therapy. Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1992, San Antonio, Texas.
198. Carmina E, Koyma T, Chang L, Stanczyk FZ and Lobo RA: Ethnic variability in polycystic ovary syndrome (PCO): Insight into pathophysiology. Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1992, San Antonio, Texas.
199. Paulson RJ, Sauer MV, Francis MM, Macaso TM and Lobo RA: Toward ultimate in vitro fertilization (IVF): Addition of the GnRH antagonist Nal-Glu and pure FSH to unstimulated IVF cycles. Presented at the 39th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1992, San Antonio, Texas.

200. Miles RA, Lobo RA, Gentzchein E, Moyer D, Presser MF, Koopersmith T, Paulson RJ and Sauer MV: Assessing the pharmacodynamic properties of exogenously administered progesterone: A comparison of micronized vaginal delivery to intramuscular routes. Presented at the 40th Annual Meeting of the Pacific Coast Fertility Society, April 8-12, 1992, Indian Wells, California.
201. Miles RA, Gentzschein E, Goedert L, Stanczyk FZ and Lobo RA: Assessment of androgen suppression using androstenedione gel. Presented at the 40th Annual Meeting of the Pacific Coast Fertility Society, April 8-12, 1992, Indian Wells, California.
202. Lindheim SR, Ditkoff EC, Presser SC, Vijod MA, Stanczyk FZ and Lobo RA: A biomodal effect of estrogen on insulin resistance in postmenopausal women and a potential attenuating effect of progestin. Presented at the 40th Annual Meeting of the Pacific Coast Fertility Society, April 8-12, 1992, Indian Wells, California.
203. Lindheim SR, Legro RS, Chang L, Vijod MA, Shoupe D, Stanczyk FZ and Lobo RA; Enhanced reactivity to induced behavioral stress in polycystic ovary syndrome. Presented at the 40th Annual Meeting of the Pacific Coast Fertility Society, April 8-12, 1992, Indian Wells, California.
204. Carmina E, Janni A and Lobo RA: Physiologic hormonal replacement enhances the effect of GnRH-agonist treatment for hirsutism in patients with ovarian hyperandrogenism. Presented at the 74th Annual Meeting of The Endocrine Society, June 24-27, 1992, San Antonio, Texas.
205. Stanczyk FZ, Carmina E, Gentzschein E and Lobo RA: Specific elevations in C19 conjugate levels in hyperandrogenic women with hirsutism. Presented at the 74th Annual Meeting of The Endocrine Society, June 24-27, 1992, San Antonio, Texas.
206. Cassidenti DL, Ary BA and Lobo RA: Leuprolide acetate (LA) followed by clomiphene citrate (CC) induces ovulation in clomiphene resistant patients with polycystic ovary syndrome (PCO). Presented at the 48th Annual Meeting of The American Fertility Society, October 31-November 5, 1992, New Orleans, Louisiana.
207. Lindheim SR, Legro RS, Vijod MA, Stanczyk FZ and Lobo RA: Does racial background influence the effect of estrogens on the hormonal response to stress? Presented at the 48th Annual Meeting of The American Fertility Society, October 31-November 5, 1992, New Orleans, Louisiana.
208. Lindheim SR, Kades WW, Wassilv VM, Chang L, Kojima T, Saad MF and Lobo RA: Effects of IGF-1 and insulin in PCO. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1991, Toronto, Ontario, Canada.
209. Carmina E, Gentzschein E, Stanczyk FZ and Lobo RA: Substrate dependency of C19

conjugates in hyperandrogenic women and the influence of adrenal androgen. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.

210. Lindheim SR, Sauer MV, Francis MM, Macaso TM, Lobo RA and Paulson RJ; Elevated early follicular phase FSH levels in unstimulated cycles: Effects on follicular dynamics and oocyte maturation. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.
211. Duffy DM, Lobo RA, Paulson RJ and Sauer MV: Follicular and endometrial response to fixed dose regimens of estrogen and progesterone among cycling women preparing for oocyte donation. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.
212. Stanczyk FZ, Gentzschein E, Kojima T, Ary BA, Ziogas A and Lobo RA: Comparison of urinary unconjugated progesterone with urinary pregnanediol glucuronide as a marker of luteal activity. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.
213. Legro RS, Carmina E, Gentzschein E, Stanczyk FZ and Lobo RA: Evidence for decreased androgen glucuronidation in balding men and androgenic alopecia. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.
214. Lindheim SR, Buchanan TA, Duffy DM, Vijod MA, Kojima T and Lobo RA: Estimates of insulin resistance in postmenopausal women: Comparison of the ITT and the IVGTT. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.
215. Legro RS, Shahbarami B, Lobo RA and Kovacs B: Size polymorphisms of the androgen receptor among female Hispanics and correlation with peripheral hyperandrogenism. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.
216. Legro RS, Muhleman D, Comings D, Lobo RA and Kovacs B: D3 receptor polymorphisms associated with oligo-ovulation among female Hispanics. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.
217. Lindheim SR, Legro RS, Wong IL, Tran DQ, Chang L and Lobo RA: Attenuating effects of progestin on adaptation to behavioral stress in postmenopausal women. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.
218. Wong IL, Chang L, Spahn M-A F, Lindheim SR, Stanczyk FZ and Lobo RA; Characterization of the ovarian steroidogenic abnormality in PCO. Presented at the 40th

Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.

219. Legro RS, Blanche P, Krauss RM and Lobo RA: Alterations in atherogenic lipoproteins among hyperandrogenic women: Influence of insulin and genetic factors. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.
220. Ary BA, Stanczyk FZ, Fahy MA and Lobo RA: 6-sulfatoxymelatonin levels in ovulatory women. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31-April 3, 1993, Toronto, Ontario, Canada.
221. Lindheim SR, Kojima T, Duffy DM, Vijod MA, Stanczyk FZ and Lobo RA: Insulin sensitivity is decreased in normal women by doses of ethinyl estradiol used in oral contraceptives. Presented at the 41st Annual Meeting of the Pacific Coast Fertility Society, April 14-18, 1993, Indian Wells, California.
222. Lindheim SR, Duffy DM, Kojima T, Vijod MA, Stanczyk FZ and Lobo RA: The route of administration influences the effect of estrogen on insulin sensitivity in postmenopausal women. Presented at the 41st Annual Meeting of the Pacific Coast Fertility Society, April 14-18, 1993, Indian Wells, California.
223. Lindheim SR, Sauer MV, Francis MM, Macaso TM, Lobo RA and Paulson RJ: In vitro fertilization (IVF) in unstimulated cycles: Utility of a midcycle FSH boost in addition to HCG for timing of follicle aspiration. Presented at the 41st Annual Meeting of the Pacific Coast Fertility Society, April 14-18, 1993, Indian Wells, California.
224. Carmina E and Lobo RA: Ovarian suppression reduces clinical and endocrine expression of late onset congenital adrenal hyperplasia (CAH) due to 21-hydroxylase deficiency. Presented at the 75th Annual Meeting of The Endocrine Society, June 9-12, 1993, Las Vegas, Nevada.
225. Morris RS, Carmina E, Vijod MA, Stanczyk FZ and Lobo RA: Alterations in the sensitivity of serum IGF-1 and IGF-BP3 to octreotide in polycystic ovary syndrome (PCO). Presented at the 75th Annual Meeting of The Endocrine Society, June 9-12, 1993, Las Vegas, Nevada.
226. Ary BA, Chang L, Gentzschein E, Vijod M, Stanczyk FZ and Lobo RA: Comparison of GRF and clonidine as probes for the GH axis in normal and clomiphene resistant women with PCO. Presented at the conjoint meeting of The American Fertility Society and The Canadian Fertility and Andrology Society, October 9-14, 1993, Montreal, Quebec, Canada.
227. Duffy DM, Lindheim SR, Ary BA, Saad M, Vijod MA, Chang L and Lobo RA: The effects of growth hormone releasing factor (GRF) and insulin-like growth factor-1 (IGF-

- 1) on folliculogenesis in normal women. Presented at the conjoint meeting of The American Fertility Society and The Canadian Fertility and Andrology Society, October 9-14, 1993, Montreal, Quebec, Canada.
228. Morris RS, Duffy DM, Lindheim SR, Gentzschein E, Spahn M-A, Chang L, Espinoza TB, Anderson PW and Lobo RA: Angiotensin converting enzyme (ACE) inhibition during the normal menstrual cycle. Presented at the conjoint meeting of The American Fertility Society and The Canadian Fertility and Andrology Society, October 9-14, 1993, Montreal, Quebec, Canada.
229. Lindheim SR, Legro RS, Morris RS, Lobo RA, Paulson RJ and Sauer MV: Altered stress responses in women undergoing in vitro fertilization and in recipients of oocyte donation. Presented at the conjoint meeting of The American Fertility Society and The Canadian Fertility and Andrology Society, October 9-14, 1993, Montreal, Quebec, Canada.
230. Morris RS, Wong IL, Hatch IE, Paulson RJ and Lobo RA: Prorenin is elevated in PCO and may reflect hyperandrogenism. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.
231. Wilcox JG, Morris RS, Gentzschein E, Stanczyk FZ and Lobo RA: The biological effects of 17α -dihydroequilin sulfate and its possible modulation of hepatic production. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, and Illinois.
232. Wong IL, Morris RS, Chang L, Spahn MA, Stanczyk FZ and Lobo RA: A prospective randomized trial comparing finasteride to spironolactone in the treatment of hirsute women. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.
233. Duffy DM, Legro RS, Stanczyk FZ and Lobo RA: Comparisons between dihydrotestosterone (DHT) metabolism in blood and skin in men, women and polycystic ovary syndrome. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.
234. Carmina E, Stanczyk FZ, Morris RS, Vijod MA, Lee PDK, Savjani G and Lobo RA: Altered regulation of IGFBP-1 and BP-3 in patients with PCO. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.
235. Carmina E, Chang L, Gonzalez F and Lobo RA: Does the ovary explain elevated levels of DHEAS and 11β -A in polycystic ovary syndrome (PCO)? Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.

236. Hatch IE, Carmina E, Vijod MA, Gentzschein E, Stanczyk FZ and Lobo RA: Inhibition of the IGF axis and 5-alpha reductase activity by 13-cis retinoic acid in normal women. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.
237. Wong IL, Morris RS, Paulson RJ, Lobo RA and Sauer MV: Isolated polycystic morphology in ovum donors predicts response to controlled hyperstimulation. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.
238. Morris RS, Wong IL, Lobo RA and Paulson RJ; Angiotensin converting enzyme (ACE) inhibition for the prevention of OHSS in rabbits: A randomized, prospective, double blinded trial. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.
239. Legro RS, Wong IL, Paulson RJ, Lobo RA and Sauer MV: Uterine aging does not adversely affect endometrial receptivity to embryo implantation in recipients of oocyte donation. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.
240. Legro RS, Wong IL, Paulson RJ, Lobo RA and Sauer MV: The natural history of multiple implantation following oocyte donation: A frequent but inefficient event. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.
241. Gonzalez F, Chang L, Horab T and Lobo RA: Further assessment of the role of ovarian steroids in the development of adrenal dysfunction. Presented at the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-26, 1994, Chicago, Illinois.
242. Hatch IE, Carmina E, Stanczyk FZ and Lobo RA; Serum AoG is a useful marker for the treatment of acne in normoandrogenic women. Presented at the 42nd Annual Meeting of the Pacific Coast Fertility Society, April 20-24, 1994, Indian Wells, California.
243. Duffy DM, Koch C, Gentzschein E, Stanczyk FZ, Paulson RJ and Lobo RA: A re-evaluation of the importance of luteinizing hormone (LH) for follicle growth and oocyte maturity. Presented at the 42nd Annual Meeting of the Pacific Coast Fertility Society, April 20-24, 1994, Indian Wells, California.
244. Duffy DM, Bass D, Stanczyk FZ, Gentzschein E and Lobo RA: The single FSH value: Evaluation of assay method, time interval, and operator differences. Presented at the 42nd Annual Meeting of the Pacific Coast Fertility Society, April, 20-24, 1994, Indian Wells, CA.

245. Morris RS, Wong IL, Gentszchein E, Sauer MV, Lobo RA and Paulson RJ: Angiotensin converting enzyme (ACE) inhibition for the prevention of ovarian hyperstimulation syndrome (OHSS): A randomized, prospective, placebo controlled, double blind trial. Presented at the 42nd Annual Meeting of the Pacific Coast Fertility Society, April 20-24, 1994, Indian Wells, California.
246. Morris RS, Wong IL, Sauer MV, Lobo RA and Paulson RJ: Predictive value of serum estradiol (E₂) levels and oocyte number in the prediction of severe ovarian hyperstimulation. Presented at the 42nd Annual Meeting of the Pacific Coast Fertility Society, April 20-24, 1994, Indian Wells, California.
247. Carmina E, Stanczyk FZ, Gentszchein E and Lobo RA: Time-dependent changes in serum 3 α -androstenediol glucuronide (3 α -diol G) correlate with hirsutism scores after ovarian suppression. Presented at the 76th Annual Meeting of The Endocrine Society, June 15-18, 1994, Anaheim, California.
247. Stanczyk FZ, Skinner EC, Spahn MF, Chang L, Mertes S, Ross R and Lobo RA; Effect of finasteride on serum unconjugated and conjugated androgen levels in men with prostate cancer. Presented at the 76th Annual Meeting of The Endocrine Society, June 15-18, 1994, Anaheim, California.
248. James WM, Morris RS, Gentszchein E, Carmina E and Lobo RA: The effects of octreotide on the adrenal response to corticotropin releasing factor (CRF) in polycystic ovary syndrome (PCO). Presented at the 50th Annual Meeting of The American Fertility Society, November 5-10, 1994, San Antonio, Texas.
250. Duffy DM, Chang L, Gentszchein E and Lobo RA: The use of corticotropin-releasing factor (CRF) to identify the mechanism of oral contraceptive (OC) induced adrenal suppression. Presented at the 50th Annual Meeting of The American Fertility Society, November 5-10, 1994, San Antonio, Texas.
251. Wong IL, Morris RS, Koopersmith TB, and Lobo RA: The effect of finasteride on ovulation function in normal women. Presented at the 50th Annual Meeting of The American Fertility Society, November 5-10, 1994, San Antonio, Texas.
252. Wilcox JG, Hodis HN, Hwang J, Sevanian A, Stanczyk FZ and Lobo RA: The biological effects of individual estrogen components in conjugated equine estrogens (CEE) and their possible modulation of insulin resistance and oxidation of LDL. Presented at the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.
253. Paulson RJ, Sauer MV and Lobo RA: Luteal phase antiprogestin administration improves endometrial receptivity in hyperstimulated cycles: A hypothesis. Presented at the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.

254. Gonzalez F, Chang L, Horab T, Stanczyk FZ, Crickard K and Lobo RA: Adrenal dysfunction in polycystic ovary syndrome (PCO) as assessed by physiologic and pharmacologic adrenal dynamic responses in the presence and absence of ovarian steroids Presented at the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.
255. Hatch IE, Spahn MA, Wilcox JG, Stanczyk FZ and Lobo RA: Opiate regulation of insulin sensitivity and the IGF-1 axis in polycystic ovary syndrome (PCO). Presented at the 42^d Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.
256. Paulson RJ, Hatch I, Lobo RA and Sauer MV: Lack of decrease of efficiency of oocyte donation substantiates lack of an intrinsic endometrial defect in embryo implantation. Presented at the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.
257. Hendershott CM, Millar LK, Hindle WH, Moyer D, Lobo RA and Felix JC: Hormone levels and proliferative activity in breast tissue throughout the menstrual cycle. Presented at the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.
258. Thornton MH, Najmabadi S, Hatch IE, Acacio B and Lobo RA: Evaluation of inappropriate gonadotropin secretion in polycystic ovary syndrome. Presented at the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.
259. Fruzzetti F, Lobo RA, De Lorenzo D, Parrini D, Ricci C, Ferrara A and Genazzani AR: Comparisons between various antiandrogens in the treatment of hirsutism: Differences between androgen suppression and peripheral effects. Presented at the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.
260. Hatch IE, Nicoloff JT, Spencer CA and Lobo RA: The effect of 13-cis retinoic acid (13-CIS RA) in normal cycling women: An explanation for the diverse endocrine mediated effects of 13-CIS RA. Presented at the 42nd Annual meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.
261. Price T, Blauer K, Hansen M, Stanczyk F, Lobo R and Bates GW: Pharmacokinetics of sublingual vs oral administration of micronized 17 β -estradiol. Presented at the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.

262. Carmina E, Lo Dico G, Lee P, Saviani G, Gentzschein E, Spahn MA, Stanczyk FZ and Lobo RA: Oral estrogen administration increases serum IGFBP-1 and reduces "free" IGF-1. Presented at the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.
263. Mezrow G, Koopersmith T, Shoupe D and Lobo RA: Estrogen replacement therapy using micronized vaginal progesterone. Presented at the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, Illinois.
264. Paulson RJ, Hatch IE, Lobo RA and Sauer MV; Cumulative success rates after oocyte donation: Life table analysis. Presented at the IXth World Congress on In Vitro Fertilization and Assisted Reproduction, April 3-7, 1995, Vienna, Austria.
265. Hatch IE, Kim MK and Lobo RA: Glucose intolerance in polycystic ovary syndrome (PCOS): Occult findings and risks of pregnancy. Presented at the 43rd Annual Meeting of the Pacific Coast Fertility Society, April 26-30, 1995, San Diego, California.
266. Hatch IE, Sauer MV, Lobo RA and Paulson RJ: Embryo implantation after repetitive cycles of oocyte donation. Presented at the 43rd Annual Meeting of the Pacific Coast Fertility Society, April 26-30, 1995, San Diego, California.
267. Thornton MH, Carmina E, Sauer MV, Paulson RJ, Najmabadi S, Stanczyk FZ, Spahn M-A and Lobo RA: Ovarian production of IGF-BP1 and its role in women with polycystic ovaries. Presented at the 43rd Annual Meeting of the Pacific Coast Fertility Society, April 26-30, 1995, San Diego, California.
268. Wilcox JG, Hatch IE, Gentzschein EK, Stanczyk FZ and Lobo RA: Possible modulation of endothelin levels in postmenopausal women receiving oral versus non-oral hormone replacement therapy. Presented at the 43rd Annual Meeting of the Pacific Coast Fertility Society, April 26-30, 1995, San Diego, California.
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